EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6106301".pn.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/29 08:15
L2	1049294	expansion clamp	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/29 08:16
L3	228	"expansion clamp"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/29 08:25
L4	211	"finger trap"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/29 08:25
L5	14	("2691478" | "3343231").PN. OR ("4055875").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/29 09:05
L6	1	"5113872".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/29 09:05
S1	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/26 11:57
S2	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/01 14:59
S3	1	("5855583").PN.	USPAT; USOCR	OR	OFF	2006/11/01 16:12
S4	1	("5746753").PN.	USPAT; USOCR	OR	OFF	2006/11/01 16:12
S5	43	"0485766" "0908836" "0169776" "0800804" "2592514"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 09:14
S6	30	(("2972140") or ("3157853") or ("3220121") or ("3226846") or ("3304434") or ("3497668") or ("3520060") or ("3517446") or ("3541541") or ("3623064") or ("3748366") or ("3775865") or ("3902687") or ("3903614") or ("3911416") or ("4127752") or ("4160508") or ("4236325") or ("4262549") or ("4321047") or ("4333070")).PN.	USPAT; USOCR	OR	OFF	2006/11/02 13:55

EAST Search History

S7	2	(("6057828") or ("6104382")).PN.	USPAT; USOCR	OR	OFF	2006/11/02 09:42
S8	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/02 09:46
S9	0	434/262,267,272	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 13:55
S10	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 06:35
S11	43	S10 and endoscopic	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 15:13
S12	44	S10 and (medical with instrument)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 15:21
S13	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2006/11/02 15:22
S14	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 10:19
S17	93	S14 and (grasp$4 or clamp$4) and insert$4	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/06 06:44
S18	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2006/11/06 09:12
S19	0	("8401507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 09:12
S20	0	"08401507"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/06 09:12
S21	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 12:27
S22	1	("5800179").PN.	USPAT; USOCR	OR	OFF	2006/11/06 12:27
S23	1	("5704791").PN.	USPAT; USOCR	OR	OFF	2006/11/07 09:32
S24	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 10:19
S25	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/07 10:19

EAST Search History

S26	1	("20040161257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/07 10:38
S27	0	("jawsandgraspandengageandreleaseandspring").PN.	USPAT; USOCR	OR	OFF	2006/11/07 10:58
S28	3017	jaws and grasp and engage and release and spring	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 11:10
S29	867	S28 and actuator	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 11:51
S31	6	S29 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 12:01
S32	5	S29 and collet and conical and expander	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 12:11
S33	1	("6106301").PN.	USPAT; USOCR	OR	OFF	2006/11/07 12:11
S35	6964	"quick connect"	USPAT	OR	OFF	2006/11/13 11:19
S36	620	S35 and conical and spring	USPAT	OR	OFF	2006/11/09 10:38
S37	0	"fasteners for assembling devices in space"	USPAT	OR	OFF	2006/11/09 10:38
S38	0	"assembling devices in space"	USPAT	OR	OFF	2006/11/09 10:39
S39	0	"07824806"	USPAT	OR	OFF	2006/11/09 10:40
S40	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2006/11/09 10:40
S41	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 13:29
S42	138	"4943280"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 13:42
S43	1	("4647082").PN.	USPAT; USOCR	OR	OFF	2006/11/09 14:29
S44	8050	connect and actuate$3 and (jaw$3 or fingers or clamp$3 or claws) and conical and engage$2	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 14:08

EAST Search History

S45	11	S44 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 15:39
S46	428	S44 and collet	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/13 08:18
S47	163	connect and device and space and collet and conical and fingers	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/13 08:24
S48	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2006/11/13 08:25
S49	32	quick near connect near wire	USPAT	OR	OFF	2006/11/13 11:20
S50	1069	ink and pen and spring and engage and release	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 09:21
S51	201	(jaw$3 or fingers or clamp$3 or claws or latch) and conical and engage$2 and collet and expand and lever	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 14:09
S52	25	"woven mesh" and expand and constrict and diameter	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/22 08:13
S53	201	(grasp$ same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:14
S54	0	S53 and (capture with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:14
S59	29	((grasp$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:24

S60	5	434/262.ccls. and (grasp$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:18
S61	17175	(grasp$ same tubular) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:19
S62	336846	((tubular with fingers) same grasp or grip) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:20
S63	16894	((tubular with fingers) same grasp or grip) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:20
S64	29	((grasp$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:21
S65	5	434/262.ccls. and (grasp$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:22
S66	0	(tubular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27

S67	0	(circular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
S68	25	434/262.ccls. and tubular and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:26
S69	134712	(tubular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
S70	134712	(circular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
S71	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S72	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S73	1	("5855583").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S74	1	("5746753").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S75	44	"0485766" "0908836" "0169776" "0800804" "2592514"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34

S76	30	(("2972140") or ("3157853") or ("3220121") or ("3226846") or ("3304434") or ("3497668") or ("3520060") or ("3517446") or ("3541541") or ("3623064") or ("3748366") or ("3775865") or ("3902687") or ("3903614") or ("3911416") or ("4127752") or ("4160508") or ("4236325") or ("4262549") or ("4321047") or ("4333070")).PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S77	2	(("6057828") or ("6104382")).PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S78	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S79	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S80	634	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S81	0	434/262,267,272	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S82	46	S80 and (medical with instrument)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S83	44	S80 and endoscopic	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S84	634	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S85	0	("8401507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:34
S86	93	S84 and (grasp$4 or clamp$4) and insert$4	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S87	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S88	0	"08401507"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S89	634	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2007/05/24 07:34

S90	1	("5800179").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S91	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S92	1	("5704791").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S93	0	("jawsandgraspandengageandreleaseandspring").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:35
S94	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S95	1	("20040161257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:34
S96	3106	jaws and grasp and engage and release and spring	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S97	920	S96 and actuator	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S98	6	S97 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S99	5	S97 and collet and conical and expander	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:37
S100	1	("6106301").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S101	7148	"quick connect"	USPAT	OR	OFF	2007/05/24 07:34
S102	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S103	0	"07824806"	USPAT	OR	OFF	2007/05/24 07:34
S104	0	"fasteners for assembling devices in space"	USPAT	OR	OFF	2007/05/24 07:34
S105	631	S101 and conical and spring	USPAT	OR	OFF	2007/05/24 07:39
S106	0	"assembling devices in space"	USPAT	OR	OFF	2007/05/24 07:34

S107	8220	connect and actuate$3 and (jaw$3 or fingers or clamp$3 or claws) and conical and engage$2	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 08:24
S108	437	S107 and collet	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:38
S109	141	"4943280"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S110	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S111	1	("4647082").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S112	11	S107 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S113	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:34
S114	171	connect and device and space and collet and conical and fingers	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:37
S115	34	quick near connect near wire	USPAT	OR	OFF	2007/05/24 07:34
S116	1095	ink and pen and spring and engage and release	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:41
S117	210	(jaw$3 or fingers or clamp$3 or claws or latch) and conical and engage$2 and collet and expand and lever	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:38
S118	25	"woven mesh" and expand and constrict and diameter	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 07:34
S119	201	(grasp$ same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34

EAST Search History

S12 0	0	S119 and (capture with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 1	0	(circular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 2	134710	(circular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 3	29	((grasp$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 4	17175	(grasp$ same tubular) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 5	336820	((tubular with fingers) same grasp or grip) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 6	5	434/262.ccls. and (grasp$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34

EAST Search History

S12 7	29	((grasp$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 8	16894	((tubular with fingers) same grasp or grip) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S12 9	5	434/262.ccls. and (grasp$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S13 0	0	(tubular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S13 1	134710	(tubular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S13 2	25	434/262.ccls. and tubular and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 07:34
S13 3	2	("2428854").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:37
S13 4	2	("2428854").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:38
S13 5	18	"5439310"	USPAT	OR	OFF	2007/05/24 07:39
S13 6	1	("5439310").PN.	USPAT; USOCR	OR	OFF	2007/05/24 07:41

EAST Search History

S13 7	0	"09/597,967"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/24 08:24
S13 8	10	434/262.ccls. and bailey.in.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 07:42
S13 9	21267	(clamp or grasp).ti.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 07:42
S14 0	385	(clamp or grasp).ti. and sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 07:42
S14 1	438	(clamp or grasp).ti. and sensor$3	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 07:42
S14 2	71	S141 and jaw$2	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 08:35
S14 3	71	S141 and jaw$2 and sensor$3	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:09
S14 4	10	403/321-330.ccls. and capture and release and actuat$5 and (clamp or grip or grasp)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 08:49
S14 5	284	403/321-330.ccls. and actuat$5 and (clamp or grip or grasp)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 09:58
S14 6	2211	403/321-330.ccls. and (engage or capture)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 09:59
S14 7	1212	S146 and (release or disengage)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:09
S14 8	81	S146 and conical and spring and bias	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:08

S149	6	403/279-280,282,273.ccls.and conical and spring and bias	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:08
S150	95	403/279-280,282,273.ccls. and (release or disengage)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:09
S151	0	403/279-280,282,273.ccls. and jaw$2 and sensor$3	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:09
S152	95	403/279-280,282,273.ccls. and (release or disengage)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:10
S153	4	403/279-280,282,273.ccls. and (release or disengage)and sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/25 10:10
S154	1486	403/279-280,282,273.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/26 09:47
S155	2539	705/7,11.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/26 09:47
S156	7	434/262.ccls. and "quick release"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/26 11:59
S157	1537	tool same "quick release"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/26 12:20
S158	13	"quick release taper"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/05/29 07:56